**ETL Testing Course Content**

**Pre-requisites: knowledge of SQL**

**Course content:**

1. Introduction of ETL-Extract, Transform, Load
2. SQL Concepts
3. OLTP , OLCP, OLAP
4. OLTP vs OLAP
5. Data Extraction
6. Data Transformation
7. Data Loading
8. Data Marts
9. Dependent Data Mart
10. Independent Data Mart
11. Data Base Design
12. ETL TOOLS and Diff Types of ETL Tools
13. ETL ARCHITECTURE
14. ETL TESTING AND WHY WE REQUIRE
15. DIFFERENT ETL TOOLS ARCHITECTURES
16. SDLC and Methods/Models
17. STLC and Methods/Models
18. SDLC vs STLC
19. Roles and Responsibilities
20. Minus,Duplicate,Count,Intersection,Except,etc…
21. Detect Defects
22. Defects Logging and Reporting
23. How to prepare Queries to test the ETL process
24. Performance Tuning and Performance Testing
25. Testplan Preparation
26. Testcases Preparation
27. Preparation of Test data
28. Process Of ETL Testing
29. Different Types of ETL Testing
30. Software development life cycle and testing life cycle

 Agile Methodologies

 Waterfall Model

1. Data Warehousing Concepts

 Data warehouse architecture

 Datamart

 **SCHEMA**

 Star Schema

 Snow Flake Schema

 Types of tables in data warehouse

 Dimension table

 Fact table

* cubes, dimensions, schema